

UTKARSH SHIRBHATE

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SCHOLASTIC RECORD

Year	Degree	Institute	CGPA/%	Remark
2026	B.Tech (Electronics and Telecommunication)	MIT Academy of Engineering, Pune	8.88	Pursuing
2022	12 th (Maharashtra State Board)	Bhartiya Mahavidyalaya, Amravati	81%	Distinction
2020	10 th (Maharashtra State Board)	Golden Kids English School, Amravati	85%	Distinction

SKILLS

Skills	• Python • C++	• Git/GitHub • Excel	• SQL • React	• Power BI • AWS
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INTERNSHIP

PulseOn-EV Project Details:	Technical Intern – Web & Mobile Development	Jun 2025 - Aug 2025 (2 MONTHS)
Roles & Responsibilities	Key Skills: React Native, Node.js, MongoDB, Firebase, Git, OAuth, Google Maps API, REST APIs • Built backend APIs and screens for a cross-platform app letting EV users request charging and vanity vans . • Developed a secure OAuth & phone-based OTP login improving usability for older audiences. • Designed and deployed a real-time driver assignment & tracking system using Google Maps API. • Revamped booking UI, reducing user errors by ~30% through improved accessibility design. • Compared multiple payment gateways; led end-to-end Razorpay integration . • Created 12+ REST APIs and optimized MongoDB queries for faster data access. • Used GitHub in a 3-member team for code reviews, PRs, and conflict resolution.	
Campus Credentials Project Details:	Full Stack Development Intern	Jun 2024 - Aug 2024 (2 MONTHS)
Roles & Responsibilities	• Engineered a full-stack blog platform using React, Node.js and Express.js . • Architected a MySQL database with foreign keys and indexing for data integrity. • Designed a secure RESTful API featuring JWT and Bcrypt for user authentication. • Built an Admin Dashboard with Role-Based Access Control (RBAC) for content moderation. • Implemented state management for real-time upvote/downvote UI updates. • Developed admin features to disable users and manage post lifecycles. • Integrated custom Express middleware to secure sensitive API endpoints.	

OPEN-SOURCE EXPERIENCE

Open-Source Contributor Title: Calendar Wallpaper Generator Open Source	Live Project GitHub Dec 2025 - Present
Project Details	• Engineered a scalable canvas-based text overlay system with multi-line rendering and unified scaling. • Implemented 9-position layout logic for flexible text placement across the canvas. • Architected a shared FontPicker component to centralize font selection and reuse. • Eliminated 150+ lines of duplicated font logic, improving Maintainability and Readability . • Integrated Groq AI via Vercel AI SDK for real-time streaming text updates. • Collaborated in a production open-source environment through PR reviews, issues and maintainer feedback. • Contributed to a widely used OSS project (300+ downloads, 6 contributors, 17 star).

ACADEMIC PROJECTS

Full-Stack Project React.js, Node.js, Express.js, MySQL Project Title: Resume Builder Web Application	Live Project GitHub May 2025 - Jul 2025
Project Details	• Engineered secure REST APIs with JWT-based authentication . • Modelled normalized MySQL database with 8+ interconnected tables supporting resume content. • Implemented CRUD operations with soft-delete patterns and Data Validation . • Handled secure file uploads using Multer with type/size restrictions and automatic cleanup mechanisms. • Achieved sub-second response times for form submissions and data fetching. • Secured 15+ API endpoints with proper token handling and protected route access. • Built real-time validation for 20+ form fields with tooltips and user-friendly feedback. • Achieved 95%+ code reusability with modular, maintainable architecture. • Reduced user resume creation time by 80% through intuitive backend logic and dynamic data structure.
MIT Academy of Engineering Project Title: Pune House Price Prediction Model	Live Project GitHub Sept 2024 - Oct 2024
Project Details	• Engineered an end-to-end ML pipeline in Python for Pune real estate valuations. • Achieved an R2 score of 0.55 using real-world, non-linear property datasets. • Architected custom cleaning logic to standardize total square feet and complex size strings. • Improved training data quality by resolving inconsistent range-based and multi-format inputs. • Optimized accuracy using GridSearchCV for hyperparameter tuning across 6+ models. • Evaluated performance of XGBoost, Random Forest and KNN regression algorithms.

	<ul style="list-style-type: none"> • Streamlined deployment by serializing production weights via Pickle. • Deployed a responsive web-based prediction interface on the Render cloud platform.
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POSITIONS OF RESPONSIBILITY

Co-founder, NPC, Podcast Community	<ul style="list-style-type: none"> • Spearheaded multiple teams totaling 15+ members, fostering a collaborative and creative Environment. 	2023
Leadership and Event Management	<ul style="list-style-type: none"> • Managed as an auctioneer in an IPL-style auction organized by E-CELL MITAOE. • Successfully auctioned for 8 teams in front of a 150+ audience. • Demonstrated strong communication, negotiation, and public speaking skill. 	2023

AWARDS & ACHIEVEMENTS

Academic	<ul style="list-style-type: none"> • Presented a paper on "Millet Production Management Using Cloud Computing for Farmers" during NCPC at Sinhgad College of Engineering, contributing to research. 	2024
Extra-Curricular	<ul style="list-style-type: none"> • Attained 17th rank in the State-Level Coding Wars, PCCOE Spectrum, showcasing exceptional problem-solving and coding skills in a competitive environment. 	2023
Certification	<ul style="list-style-type: none"> • AWS Academy Graduate – AWS Academy Cloud Foundation • AWS Academy Graduate – AWS Academy Data Engineering 	2024

OTHERS

- Hobbies: Gardening, Basketball, Photography, Listening to music.